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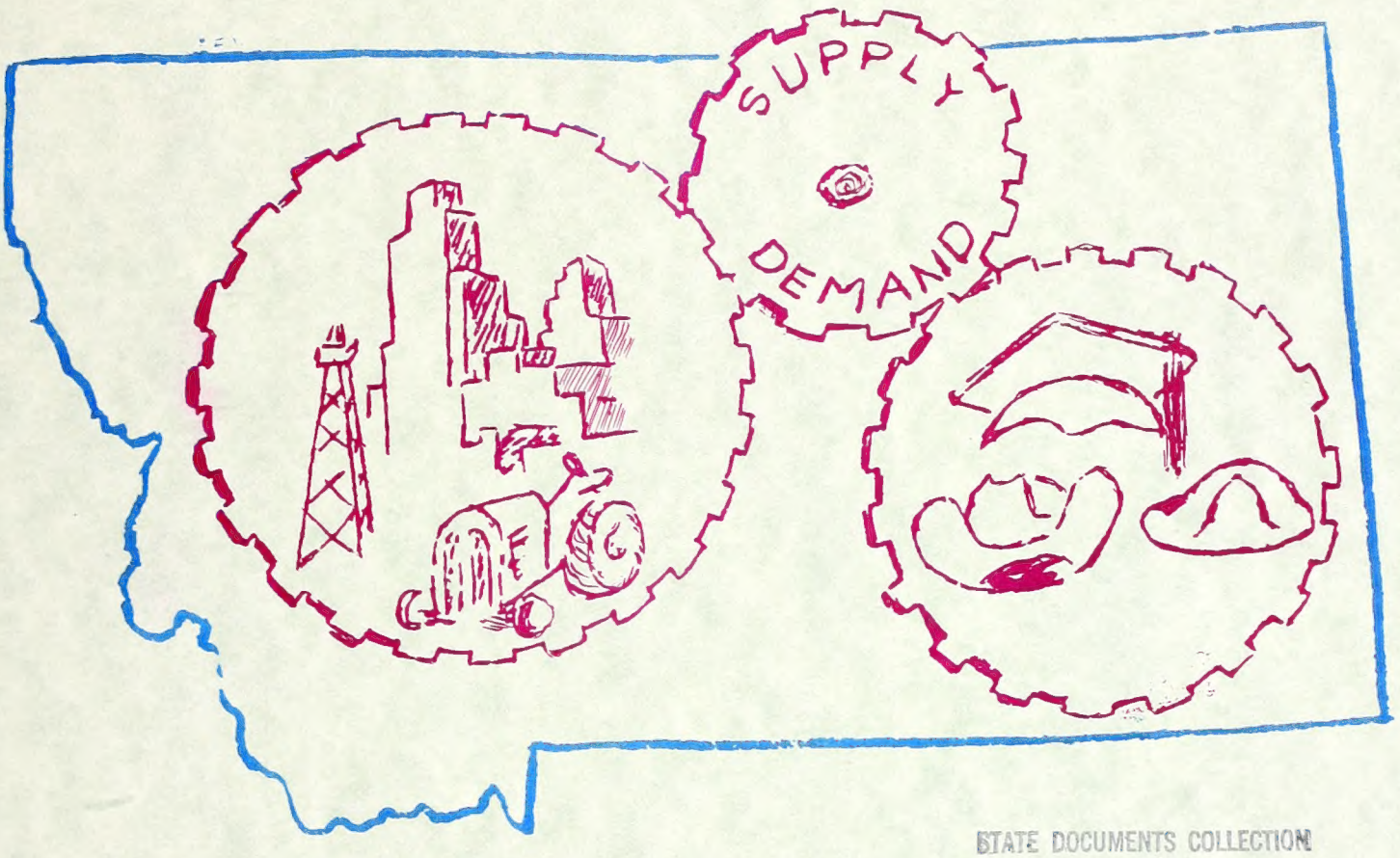

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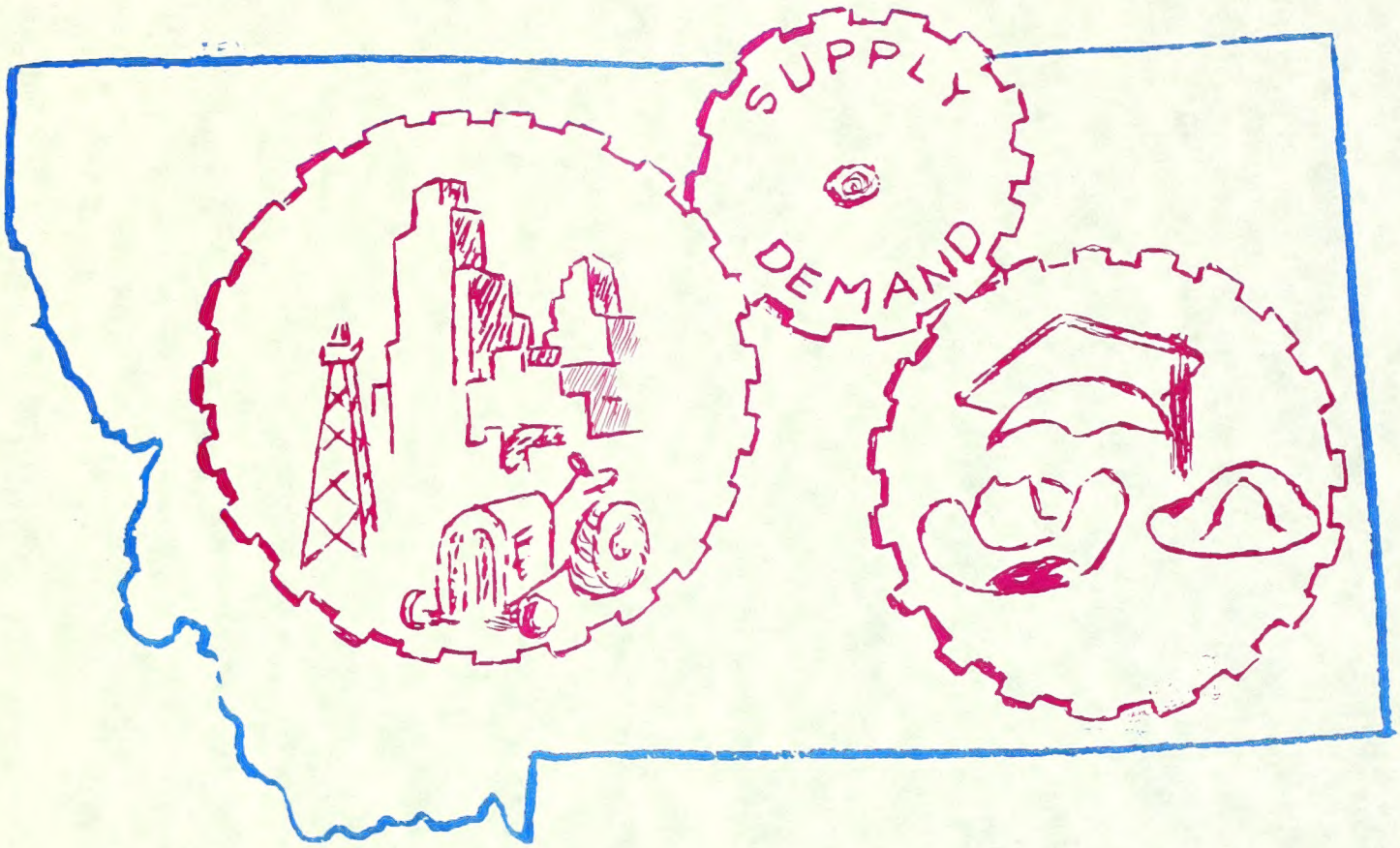

RESEARCH AND ANALYSIS SECTION
EMPLOYMENT SECURITY DIVISION
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P.O. BOX 1728
HELENA, MONTANA 59601

MONTANA LABOR SUPPLY/DEMAND ANALYSIS
QUARTERLY REPORT

JANUARY - MARCH, 1981

STATE OF MONTANA
TED SCHWINDEN, GOVERNOR

DEPARTMENT OF LABOR AND INDUSTRY
DAVID L. HUNTER, COMMISSIONER

EMPLOYMENT SECURITY DIVISION
FRED BARRETT, ADMINISTRATOR

Volume 1 - Number 2

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Introduction

This publication features data relating to labor supply and demand for the state of Montana. The data as reported cover the time period of January 1, 1981 through March 31, 1981. All data are reported on a statewide basis.

Description of Area

Geographically, Montana is the fourth largest state encompassing 147,138 square miles. The state's total population, however, is only 786,690 yielding a density of about 5.4 people per square mile. Almost half (47.8%) of the population is clustered around nine communities in the state. Seven of these population centers are in the more scenic, mountainous regions of western Montana.

Montana is bordered by North and South Dakota to the east, Wyoming to the south, and Idaho to the west. To the north, it shares an international boundary with Canada. The Rocky Mountains run north and south through the western part of the state. Very few mountain ranges are found in the eastern portion of the state.

The climate of the state varies with altitude. The average annual precipitation is 15.33 inches; however, geographically, it varies from a low of 9.55 inches in the southern part of the state to a high of 39.22 inches on the western slopes of the Continental Divide. Average maximum daytime temperatures in Montana cities range from 19.4 degrees Fahrenheit in January to 68.0 degrees Fahrenheit in July. Large temperature fluctuations throughout the year are common.

During the quarter, Montana's labor force has continued to feel the effects of a sluggish economy. The wood products industries have operated at very low levels for almost a year now. Housing construction also is slow as a result of high interest rates. High unemployment rates persisting in Anaconda, Butte, and Great Falls are largely attributable to recent smelter closures.

In a more positive vein, oil well drilling during the quarter increased by 62% compared to the same time frame a year ago. Coal mining has also expanded. Energy development in the eastern part of the state has put heavy pressure on many small communities for housing and services.

The problems facing Montana's labor force and industry are somewhat reflected in the geography of the state. For the most part, Montanans are attracted to the larger communities of western Montana. Unfortunately, the available jobs are not presently in these areas. Hundreds of miles separate the potential workers from the energy-related job opportunities in the rural areas of eastern Montana.

Montana's civilian labor force in March, 1981 was 371,300 people. At that same time the unemployment rate was 6.9% (not seasonally adjusted).

Limitations of Data

The data presented in this report are rather limited for many reasons. A complete and accurate file of all labor supply and demand data is not readily

available. Most of the data presented are taken from the ESARS system, which represents only a small portion of the actual labor supply and demand factors.

The ESARS system in itself has many limitations. Applicants may be registered under one DOT code, although they are actually seeking work in a different classification. This causes an overstatement of supply in one DOT category and an understatement in others. "Active" applicants at the end of a quarter may have been "hired" based on a referral during that quarter. This is due to a paper lag in the system or verification of the hire has been held back pending actual entry on the job. Similarly, the operational procedures can affect the report of "unfilled jobs". A lag in paperwork concerning job placement or cancellation can cause a discrepancy in the category.

The data are presented on a statewide basis. Consequently, the demand occupations listed in Table 9 are a subset of Table 4, which lists occupations with a surplus of applicants. All of the 1,015 job openings listed in Table 9 theoretically could be filled by qualified applicants listed in Table 4 if the distance between population centers and job sites was not so great. The information provided in these tables would be more beneficial to users if it were broken down into smaller geographic areas.

Labor Supply Analysis

Tables 1 through 4 of this document present the information concerning the labor supply as registered with the Job Service in the state of Montana. Table 1 presents the characteristics of active Job Service applicants. Almost two-thirds of the 27,323 persons registered are male; approximately, half of the applicants fall in the age range of 22 to 34 years. Most of the applicants (73.9%) have at least a high school education. The bulk of the applicants (91.3%) indicated they were not presently working. Almost a third have unemployment claims filed.

Total available applicants at the end of the quarter by occupational category and characteristics are given in Tables 2 and 3. Partial applicants are not included in these data, thus reducing the active applicants total by 1,924. Partial applicants, however, do receive equal service from the Job Service.

The four largest occupational categories of applicants are Clerical and Sales (5,687), Services (5,467), Structural (4,788), and Miscellaneous (4,220). These four categories comprise 76.8% of the available applicants. Females comprise 78.2% of Clerical and Sales applicants and 96.1% of Services, while males dominate Structural and Miscellaneous with 84.2% and 74.2% respectively. A little more than 50% of the economically disadvantaged applicants are registered in categories dominated by female applicants--Clerical, Sales and Service. Almost 97% of the applicants are considered fully qualified for the jobs for which they are registered, leaving only 3% as entry level applicants.

Table 4 provides a listing of occupations which have ten or more applicants registered with Job Service. Some of the applicants are registered due to seasonal shutdowns. These include construction workers, electricians, operating engineers, truck drivers, etc. Many of the lumber industry registrants are a result of seasonality as well as a slow economy. A number of the skilled workers, material handlers, and laborers are registered due to the closing of the two smelters last quarter.

Table 5 provides a list of apprenticeship activities by trade. A total of 1,687 active apprenticeships remained at the end of the quarter. Ninety-eight individuals completed programs during the quarter. Almost one-third (31.6%) of the apprentices were clustered in the categories of Carpenter, Electrician, Plumber, and Electrician Lineman.

Labor Demand

Tables 6 through 9 of the document present labor demand information for the quarter. Tables 10 through 15 provide information concerning projected labor demand for the year 1985. The latter set of tables is presented for the user's information; an analysis is not provided.

Table 6 shows employment by non-farm industry as of March, 1981. In analyzing the table, it is quite apparent that the bulk of the employment (65.1%) is in the industries of Retail Trade, Services and Miscellaneous, and Public Administration.

Job openings available by industry for the quarter are outlined in Tables 7 and 8. Over half of the opening received (59.4%) and openings filled (57.4%) were in Retail Trade and Services. Typically, these jobs have high turnover rates due to low pay, odd hours of work, lack of career ladder, and poor working conditions. Some sales positions have the added factor of working on a commission basis. Almost half (45.3%) of the positions unfilled at the end of the quarter are in Clerical, Sales and Services.

Table 9 provides a listing of occupations which had ten or more openings at the end of the quarter. Here again the data show the bulk of the openings (55.9%) to be in occupations generally found in Clerical, Sales and Services. It is surprising that 225 vacancies (22.2%) are teaching positions when there is a surplus of teachers listed in Table 4. Here again the distribution of workers within the state provide the answer.

TABLE 1

CHARACTERISTICS OF ACTIVE JOB SERVICE APPLICANTS

END OF QUARTER -- MARCH 31, 1981

CHARACTERISTICS OF APPLICANTS	TOTAL	PERCENT OF TOTAL
TOTAL	27,323	100.0
SEX		
Male	16,813	61.5
Female	10,510	38.5
AGE		
15 and Under	81	0.3
16 - 17	606	2.2
18 - 19	2,366	8.7
20 - 21	2,819	10.3
22 - 24	4,040	14.8
25 - 29	5,600	20.5
30 - 34	4,003	14.6
35 - 39	2,389	8.7
40 - 44	1,712	6.3
45 - 54	2,254	8.2
55 - 64	1,308	4.8
65 and Over	145	0.5
EDUCATION		
0 - 7	482	1.8
8 - 11	6,656	24.4
12	12,834	47.0
Over 12	7,351	26.9

SOURCE: ESARS TABLE 06.

TABLE 1 (cont.)

CHARACTERISTICS OF ACTIVE JOB SERVICE APPLICANTS

END OF QUARTER -- MARCH 31, 1981

CHARACTERISTICS OF APPLICANTS	TOTAL	PERCENT OF TOTAL
EMPLOYMENT STATUS		
Full Time	1,313	4.8
Part Time	1,058	3.9
Not Working	24,952	91.3
OTHER		
Minority	2,694	9.9
Veteran	6,636	24.3
Claimant	8,353	30.6
Handicapped	2,201	8.1
Economically Disadvantaged	6,328	23.2

TABLE 2

TOTAL AVAILABLE JOB SERVICE APPLICANTS*

END OF QUARTER -- MARCH 31, 1981

OCCUPATION	TOTAL	PERCENT OF TOTAL	FULLY QUALIFIED APPLICANTS	PERCENT OF TOTAL	ENTRY LEVEL APPLICANTS	PERCENT CHANGE
TOTAL	26,249	100.0	25,399	100.0	850	100.0
Prof, Tech, Mgr.	2,671	10.2	2,588	10.2	83	9.8
Clerical, Sales	5,687	21.7	5,366	21.1	321	37.8
Service	5,467	20.8	5,273	20.8	194	22.8
Agricultural	1,362	5.2	1,337	5.3	25	2.9
Processing	315	1.2	290	1.1	25	2.9
Machine Trades	1,449	5.5	1,420	5.6	29	3.4
Bench Work	229	0.9	226	0.9	3	0.4
Structural	4,788	18.2	4,719	18.6	69	8.1
Miscellaneous	4,220	16.1	4,119	16.2	101	11.9
Invalid Codes	61	0.2	-----	----	---	-----

* Does not include partial applications.
SOURCE: ESARS TABLE 96.

TABLE 3

CHARACTERISTICS OF JOB SERVICE APPLICANTS BY OCCUPATIONAL CATEGORY*

END OF QUARTER -- MARCH 31, 1981

CHARACTERISTICS OF APPLICANTS	TOTAL	PROFESSION. TECHNICAL & MANAGER	CLERICAL & SALES	SERVICE	AGRICULTURAL FISHERIES, & FORESTRY	PROCESSING	MACHINE TRADES	BENCH WORK	STRUCTURAL	MISC.	MISCODED
TOTAL	26,249	2,671	5,687	5,467	1,362	315	1,449	229	4,788	4,220	61
SEX											
Male	16,092	1,568	1,242	1,752	1,174	242	1,345	143	4,665	3,915	46
Female	10,157	1,103	4,445	3,715	188	73	104	86	123	305	15
AGE											
Under 22	5,595	117	1,346	1,708	321	44	195	24	754	1,071	15
22 - 44	17,142	2,134	3,623	3,001	824	206	1,095	165	3,428	2,667	35
45 and Older	3,512	420	718	758	217	65	195	40	606	482	11
OTHER											
Minority	2,526	178	396	734	149	24	73	41	581	341	9
Veteran	6,421	796	588	547	405	97	629	70	1,863	1,413	13
Economically Disadvantaged	6,107	328	1,099	2,014	357	69	252	65	955	945	23

* Excludes applicants whose status is unknown.
SOURCE: ESARS TABLE 96.

TABLE 4

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- MARCH 31, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
001-261-010	Drafter, Architectural	28
003-161-014	Electronics Technician	24
005-061-014	Civil Engineer	10
005-261-010	Drafter, Structural	10
022-061-010	Chemist	14
029-261-010	Laboratory Tester	11
040-061-034	Forester	33
041-061-030	Biologist	36
045-107-010	Counselor	77
075-374-010	Nurse, General Duty	26
079-367-010	Medical Assistant	11
079-371-010	Dental Assistant	25
079-374-014	Nurse, Lincensed Practical	73
090-227-010	Faculty Member, College	11
091-227-010	Teacher, Secondary	63
092-227-010	Teacher, Elementary	66
110-107-010	Lawyer	11
131-267-026	Writer, Technical	11
160-167-010	Accountant	73
160-267-018	Estimator	11
162-157-038	Purchasing Agent	12
163-167-018	Manager Sales	30
165-067-010	Public Relations Representative	17
169-167-010	Administrative Assistant	127
169-167-034	Manager, Office	55
185-167-046	Manager, Retail Store	92
187-167-106	Manager, Food Service	61
189-167-034	Security Officer	33
195-107-010	Caseworker	23
195-107-022	Group Social Worker	14
201-362-010	Legal Secretary	52
201-362-014	Medical Secretary	10

SOURCE: ESARS TABLE 96.

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- MARCH 31, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
201-362-030	Secretary	280
202-362-014	Stenographer	10
203-362-010	Clerk Typist	172
203-582-030	Keypunch Operator	54
206-362-010	File Clerk	21
209-562-010	Clerk, General	676
210-382-010	Audit Clerk	13
210-382-014	Bookkeeper, Full Charge	314
210-382-018	Bookkeeper II	75
211-362-010	Cashier	33
211-362-018	Teller	44
211-462-010	Cashier II	279
213-362-010	Computer Operator	40
216-482-010	Accounting Clerk	33
219-362-010	Administrative Clerk	477
222-387-058	Stock Clerk	107
235-462-010	Switchboard Operator	28
235-662-022	Telephone Operator	25
237-367-038	Receptionist	227
238-362-010	Hotel Clerk	66
249-367-074	Teacher Aide II	46
261-357-066	Sales, Women's Apparel	16
273-353-010	Sales, Auto	25
279-357-050	Sales, General Hardware	16
279-357-054	Sales, General Merchandise	261
279-357-062	Sales, Parts	42
290-477-014	Sales Clerk	628
290-477-018	Sales Clerk, Food	44
292-353-010	Driver, Sales Route	38
301-474-010	Houseworker, General	103
309-677-010	Companion	17

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- MARCH 31, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
311-477-014	Counter Attendant	521
312-474-010	Bartender	365
313-361-014	Cook (Hotel and Restaurant)	372
313-361-022	Cook, Short Order	104
315-361-010	Cook	61
316-684-018	Sandwich Maker	73
317-684-014	Pantry Goods Maker	11
317-687-010	Cook Helper	14
318-687-010	Kitchen Helper	485
323-687-010	Cleaner, Hospital	11
323-687-014	Cleaner, Housekeeper	306
332-271-010	Cosmetologist	30
355-377-014	Psychiatric Aide	11
355-674-014	Nurse's Aide	367
355-674-018	Orderly	16
359-677-010	Attendant, Children's Institution	13
359-677-018	Nursery School Attendant	19
361-687-018	Laundry Laborer	33
372-667-034	Security Guard	45
372-667-038	Merchant Patroller	31
373-364-010	Fire Fighter	13
375-263-014	Police Officer	33
382-664-010	Janitor	424
452-364-010	Forester Aide	247
509-686-010	Laborer, General	40
526-381-010	Baker	23
529-687-186	Sorter, Agricultural Produce	12
600-280-022	Machinist	77
620-261-010	Auto Mechanic	255
620-261-022	Construction Equipment Mechanic	32
621-281-014	Airframe and Power Plant Mechanic	24
625-281-010	Diesel Engine Mechanic	100

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- MARCH 31, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
625-281-034	Small Engine Mechanic	15
637-261-026	Refrigeration Mechanic	14
638-281-014	Maintenance Mechanic	50
638-281-018	Millwright	27
660-280-010	Cabinetmaker	17
787-682-046	Sewing Machine Operator	14
804-281-010	Sheet Metal Worker	26
805-261-014	Boilermaker	33
807-381-010	Auto Body Repairer	75
819-384-010	Welder, Combination	214
824-261-010	Electrician	131
828-281-010	Electronic Mechanic	23
840-381-010	Painter	110
842-664-010	Taper	16
844-364-010	Cement Mason	40
850-683-010	Bulldozer Operator	13
859-683-010	Operating Engineer	381
860-381-022	Carpenter	587
861-381-018	Bricklayer	22
862-381-010	Aircraft Mechanic	34
862-381-018	Pipefitter	30
862-381-030	Plumber	38
862-381-034	Plumber Apprentice	10
864-381-010	Carpet Layer	11
866-381-010	Roofer	49
869-664-014	Construction Worker	875
899-381-010	Maintenance Repairer	97
904-383-010	Tractor-Trailer Truck Driver	226
905-663-014	Truck Driver, Heavy	501
906-683-022	Truck Driver, Light	214

TABLE 4 (cont.)

ACTIVE JOB SERVICE APPLICANTS
OCCUPATIONS WITH 10 OR MORE APPLICANTS
END OF QUARTER -- MARCH 31, 1981

DOT CODE	OCCUPATIONAL TITLE	TOTAL ACTIVE APPLICANTS END OF QUARTER
913-463-010	Bus Driver	26
913-463-018	Taxi Driver	11
915-467-010	Auto Service Station Attendant	189
919-687-014	Cleaner	12
920-587-018	Packager, Hand	28
920-687-014	Bagger	41
929-683-010	Logging Tractor Operator	79
929-687-030	Material Handler	1,286
930-684-026	Rotary Driller Helper	60
950-382-026	Stationary Engineer	18
952-362-038	Powerhouse Attendant	12

TABLE 5
APPRENTICESHIP ACTIVITIES BY TRADE
QUARTER ENDING MARCH 31, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Airconditioning Mechanic	1	0	0	0	1
Aircraft Mechanic	1	2	0	0	3
Amusement Machine Mechanic	1	2	0	0	3
Architect	0	0	0	0	0
Assembly Line Meat Cutter	0	0	0	0	0
Auto Body Fenderman	39	5	5	3	36
Automotive Electrician	1	0	0	1	0
Automotive Mechanic	94	5	12	9	78
Automotive Mechanic H.D.	24	4	9	3	16
Automotive Radiator Repairer	0	0	0	0	0
Baker	26	15	11	5	25
Barber	0	0	0	0	0
Boilermaker	16	7	0	0	23
Bookbinder	4	1	0	0	5
Bricklayer	36	1	2	0	35
Business Machine Mechanic	11	7	6	2	10
Butcher	0	0	0	0	0
Cabinet Maker	14	2	2	4	10
Carpet Layer	0	1	0	0	1
Camera Repairman	0	0	0	0	0
Canvas Worker	1	0	1	0	0
Carpenter	245	47	48	16	228
Cable Splicing Technician	1	0	0	0	1
Cash Register Technician	1	0	1	0	0
Cement Finisher	22	1	0	0	23
Centerless Grinder Operator	1	1	0	0	2
Combination Serviceman	2	0	0	0	2
Combination Technician	14	9	3	5	15
Commerical & Graphic Design	0	0	0	0	0
Contact Lens Lab Technician	0	0	0	0	0
Cook	1	0	0	0	1
Dental Instrument Maker	3	1	1	0	3

SOURCE: APPRENTICESHIP BUREAU, DEPARTMENT OF LABOR AND INDUSTRY.

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
QUARTER ENDING MARCH 31, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Dental Technician	1	0	0	1	0
Diesel Mechanic	45	2	7	5	35
Draftsman	5	0	0	1	4
Dry Cleaner	0	1	0	0	1
Drywall Finisher	5	0	1	1	3
Electric Appliance Mechanic	6	4	1	0	9
Electric Motor Repairer	1	0	0	0	1
Electric Sound & Coin Mach.	1	0	0	0	1
Electrician	127	14	7	0	114
Electrician Lineman	94	5	3	1	95
Electrician Serviceman	1	0	0	0	1
Electrician Signal Systems	1	0	0	0	1
Electronic Technician	4	5	5	0	4
Electronics Equipment Mech.	1	0	0	0	1
Electroplater	2	0	0	0	2
Estimator	0	0	0	0	0
Farm Equipment Mechanic	19	2	0	1	20
Fiberglass Repairer	1	1	0	0	2
Field Engineer Computer Spec.	0	1	0	0	1
Fire Fighter	3	0	0	0	3
Floor Coverer	10	2	3	1	8
Fork Lift Operator	0	0	0	0	0
Frame Attendant	0	0	0	0	0
Gas Engine Repairman	1	0	0	0	1
Gas Fitter	3	0	0	0	3
Gas Serviceman (Maint. & Repair)	0	0	0	0	0
Gem Cutter	1	0	0	0	1
Gemologist	1	1	1	0	1
General Merchandise Retail Sales Clerk	1	0	0	1	0
Geophysical Prospector	1	0	0	0	1

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
QUARTER ENDED MARCH 31, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Glazier	14	3	6	2	9
Granite Carver & Polisher	0	0	0	0	0
Gun Smith	0	1	0	0	1
Heavy Equipment Mechanic	21	0	0	0	21
H.D. Repair and Welder	5	0	0	0	5
Horseshoer	0	1	0	0	1
Hydraulic Equipment Operator	1	0	1	0	0
Hydro Substation Operator	4	0	1	0	3
Installation Technician	67	3	2	16	52
Instrument Repairman	4	1	1	0	4
Insulation Installer	0	0	0	0	0
Ironworker	78	17	17	14	64
Jeweler	4	0	0	3	1
Lather	0	0	0	0	0
Lead Burner	0	0	0	0	0
Lens Grinder	6	0	2	2	2
Lineman	16	12	2	2	4
Linotype Machinist	0	0	0	0	0
Lithographer	1	0	0	0	1
Locksmith	0	0	0	0	0
Machinist	38	7	8	5	32
Mailer	2	0	0	0	2
Maintenance Engineer	0	0	0	0	0
Maintenance Mechanic	14	2	0	1	15
Meat Cutter	57	13	9	10	51
Medical Technologist	0	1	0	0	1
Meter & Relay Mechanic	1	0	0	0	1
Millwright	0	4	0	0	4
Mobile Home Repairman	0	0	0	0	0
Molder	2	0	0	0	2
Monument Maker	0	0	0	0	0
Motor Boat Mechanic	3	0	0	0	3

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
QUARTER ENDING MARCH 31, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETED	TOTAL ACTIVE END OF QUARTER
Motor Cycle Mechanic	8	0	2	1	5
Motor Repair and Winder	0	1	0	0	1
Operator	51	5	4	1	51
Ophthalmic Finish & Assembly	2	0	0	0	2
Optician (Dispensing)	2	2	0	0	4
Orthotist-Prothestist	2	0	0	0	2
Outside Plant Technician	54	3	3	12	42
Painter	20	12	6	1	25
Para Medic	2	0	0	0	2
Partsman	37	5	5	1	36
Photocomposition Typographer	0	0	0	0	0
Photographer	3	1	1	0	3
Photo Engraver	1	0	0	0	1
Pipefitter	47	7	0	3	51
Pinsetter Mechanic	4	1	0	0	5
Plant Mechanic	3	0	0	0	3
Plasterer	0	0	0	0	0
Plater (Electroplater)	0	1	0	0	1
Plumber	88	31	6	16	97
Pressman	3	1	0	0	14
Printer	0	1	0	0	1
Protective System Install.	1	0	1	0	0
Pump Repairer	0	1	0	0	1
Radio Comm. Equipment Instal.	3	1	1	1	2
Radio Communications Tech.	2	0	0	0	2
Radio & T.V. Repairer	6	4	0	0	10
Roofer	6	2	0	0	8
Saddlemaker	0	0	0	0	0
Saw Smith	3	0	0	2	1
Serviceman I	0	1	1	0	0
Serviceman II	0	2	0	0	2
Serviceman III	3	0	0	0	3

TABLE 5 (cont.)
APPRENTICESHIP ACTIVITIES BY TRADE
QUARTER ENDING MARCH 31, 1981

TRADE	ACTIVE BEGINNING OF QUARTER	NEW	CANCELLED	COMPLETION	TOTAL ACTIVE END OF QUARTER
Screw Machine Operator	0	0	0	0	0
Sewing Machine Mechanic	2	0	0	0	2
Sheet Metal Worker	53	2	3	4	48
Shoe Repairer	2	1	1	0	2
Shop Attendant	2	0	2	0	0
Sign Electrician	4	0	2	0	2
Sign Painter	5	2	1	3	3
Small Engine Repairer	3	0	2	1	0
Sprinkler Fitter	15	0	0	2	13
Stationary Engineer	1	0	0	0	1
Steamfitter	1	1	0	0	2
Stereotyper	0	0	0	0	0
Stonemason	0	0	0	0	0
Surveyor	5	0	1	1	3
Switching Equipment Tech.	8	1	0	2	7
Thermal Generation Instrument Control Technician	0	7	0	1	6
Thermal Generation Mechanic	13	8	0	3	18
Thermal Generation Operator	19	26	5	6	34
Tile Setter	1	0	0	0	1
Toll Testing Technician	39	3	1	10	31
Tool & Die Maker	0	0	0	0	0
Transmission Mechanic	4	1	2	2	1
Upholsterer	7	1	0	0	8
Utility Electrician	0	2	0	0	2
Utility Meterman	2	1	0	0	3
Utility Relayman	3	0	0	0	3
Welder	4	1	0	0	5
Well Driller	5	1	0	2	4

TABLE 6

EMPLOYMENT BY INDUSTRY

INDUSTRY	MARCH, 1981 EMPLOYMENT	ANNUAL AVERAGE EMPLOYMENT *
TOTAL (Non-agricultural Indust.)	276,843	280,627
Mining	7,820	7,594
Construction	12,516	14,728
Manufacturing	22,476	23,570
Transportation, Communication Public Utilities	23,167	23,008
Wholesale Trade	17,971	17,555
Retail Trade	52,618	54,712
Finance, Insurance and Real Estate	12,657	12,863
Service and Miscellaneous	56,403	55,956
Public Administration **	71,215	70,611

SOURCE: CURRENT EMPLOYMENT STATISTICS PROGRAM.

* Figures from 1980 data.

** Includes all civilian employees of federal, state, and local governments regardless of the activity in which the employee is engaged,

TABLE 7

JOB SERVICE JOB OPENINGS AVAILABLE BY INDUSTRY

QUARTER ENDING MARCH 31, 1981

SIC	INDUSTRY	JOBS RECEIVED DURING QUARTER	JOBS FILLED DURING QUARTER
	TOTAL	11,258	9,649
01-07	Agriculture	658	571
10-14	Mining	240	209
15-17	Construction	531	497
20-39	Manufacturing	876	641
40-49	Transportation, Commun., & Public Utilities	637	773
50-51	Wholesale Trade	590	481
52-59	Retail Trade	2,540	1,958
60-67	Finance, Insurance, & Real Estate	327	227
70-89	Service	4,148	3,585
91-97	Public Administration	690	680
	Nonclassifiable	21	27

SOURCE: ESARS TABLE 12.

TABLE 8

STATUS OF JOB SERVICE OPENINGS BY OCCUPATIONAL CATEGORY

QUARTER ENDING MARCH 31, 1981

OCCUPATION	OPENINGS START OF QUARTER	OPENINGS RECEIVED DURING QUARTER	OPENINGS FILLED DURING QUARTER	POSITIONS UNFILLED END OF QUARTER	POSITIONS OPEN 30 DAYS OR MORE
TOTAL*	2,309	11,539	9,930	2,223	1,202
Prof., Tech., Mgr.	376	1,808	1,455	513	332
Clerical, Sales	472	2,872	2,290	457	174
Service	539	2,955	2,462	550	222
Agricultural	350	403	392	268	221
Processing	25	122	122	19	12
Machine Trades	54	300	262	49	32
Bench Work	33	79	72	19	13
Structural	152	741	664	139	71
Miscellaneous	307	2,215	2,178	199	125
Invalid Codes	1	44	33	10	0

* Totals across matrix will not balance as job openings are periodically cancelled.
SOURCE: ESARS TABLE 96.

TABLE 9

JOB SERVICE LISTED JOB OPENINGS
OCCUPATIONS WITH 10 OR MORE OPENINGS
END OF QUARTER -- MARCH 31, 1981

DOT CODE	OCCUPATIONAL TITLE	UNFILLED-START OF QUARTER	RECEIVED DURING QUARTER	FILLED DURING QUARTER	UNFILLED - END OF QUARTER	OPEN 30 DAYS OR MORE
079-374-014	Nurse, Lincensed Practical	14	17	10	11	7
091-227-010	Teacher, Secondary	76	473	446	100	64
092-227-010	Teacher, Elementary	50	686	610	125	77
201-362-030	Secretary	23	164	118	29	6
203-362-010	Clerk-Typist	21	132	113	15	4
209-562-010	Clerk, General	39	303	296	23	9
210-382-014	Bookkeeper, Full Charge	21	115	84	17	5
211-462-010	Cashier II	11	88	55	18	6
219-362-010	Administrative Clerk	32	235	173	27	9
237-367-038	Receptionist	13	96	68	19	6
290-377-014	Sales Clerk	42	193	138	47	15
299-357-014	Telephone Solicitor	15	84	52	37	5
311-477-014	Counter Attendant	85	367	246	96	32
312-474-010	Bartender	18	61	51	15	6
313-361-014	Cook (Hotel and Restaurant)	34	199	152	39	11
318-687-010	Kitchen Helper	33	227	219	14	2
323-687-014	Cleaner, Housekeeper	25	274	220	50	13
355-674-014	Nurse's Aide	49	93	92	27	21
382-664-010	Janitor	77	353	312	94	44
452-364-010	Forester Aide	4	77	20	60	51
620-261-010	Auto Mechanic	6	44	31	10	3
819-384-010	Welder, Combination	8	54	44	14	9
860-381-022	Carpenter	10	57	45	12	7
869-664-014	Construction Worker	31	196	196	17	7
915-467-010	Auto Service Station Attendant	10	38	29	10	4
929-687-030	Material Handler	91	1,298	1,324	47	23
950-382-026	Stationary Engineer	38	56	50	42	35

SOURCE: ESARS TABLE 96.

TABLE 10
DISTRIBUTION OF EMPLOYMENT
BY MAJOR OCCUPATIONAL GROUP
1976 AND PROJECTED 1985

MAJOR OCCUPATIONAL GROUP	1976 EMPLOYMENT	1976 PERCENT DISTRIBUTION	PROJECTED 1985 EMPLOYMENT	PROJECTED 1985 PERCENT DISTRIBUTION	PERCENT CHANGE 1976-1985
TOTAL ALL OCCUPATIONS	314,750	100.0	417,380	100.0	32.6
WHITE COLLAR WORKERS	148,650	47.2	201,960	48.4	35.9
Professional, Technical and Kindred	46,210	14.7	62,170	14.9	34.5
Managers, Officials, and proprietors	40,780	13.0	54,900	13.2	34.6
Sales Workers	16,990	5.4	22,140	5.3	30.3
Clerical Workers	44,670	14.2	62,750	15.0	40.5
BLUE COLLAR WORKERS	87,180	27.7	116,890	28.0	34.1
Craft and Kindred Workers	39,470	12.5	55,740	13.4	41.2
Operatives	32,120	10.2	41,060	9.8	27.8
Laborers, Except Farmers	15,590	5.0	20,090	4.8	28.9
SERVICE WORKERS	46,790	14.9	66,430	15.9	42.0
FARMERS AND FARM WORKERS	32,130	10.2	32,100	7.7	-0.1

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS. FIFTH EDITION.

TABLE 11

TOTAL EMPLOYMENT BY OCCUPATIONAL CATEGORY

1976-1985

OCCUPATIONAL GROUP	1976	1985	PERCENT CHANGE
TOTAL ALL OCCUPATIONS	314,750	417,380	32.6
Professional, Technical and Kindred	46,210	62,170	34.5
Engineers, Technical	2,410	3,220	33.6
Life and Physical Scientist	1,480	1,830	23.4
Mathematical Specialist	70	90	33.3
Engineers, Science Tech.	2,850	3,870	35.8
Medical Workers, Exc. Tech.	6,300	9,440	49.8
Health Technol. & Tech.	1,420	2,040	43.1
Technicians, Exc. Health	1,010	1,370	35.0
Computer Specialist	440	590	36.3
Social Scientists	390	570	45.5
Teachers	15,200	20,700	36.1
Writers, Artists, Entertainers	3,040	4,090	34.7
Other Professional, Technical	11,600	14,380	23.9
Managers, Officials, Proprietors	40,780	54,900	34.6
Buyers, Sales, Loan Managers	5,270	8,151	54.8
Administrators, Pub. Inspectors	5,340	7,300	36.7
Other Managers, Officials, Props.	30,170	39,450	30.8
Sales Workers	16,990	22,140	30.3
Clerical Workers	44,670	62,750	40.5
Stenographers, Typists, Secretaries	12,320	17,680	43.6
Office Machine Operators	1,200	1,340	11.7
Other Clerical Workers	31,150	43,730	40.4
Craft & Kindred Workers	39,470	55,740	41.2
Construction Craft Workers	13,850	21,180	52.9
Blue Collar Worker Supv., N.E.C.	3,810	5,310	39.3
Metalworking Craft Workers, Exc.Mec	1,750	2,360	34.3
Mechanics, Repairers/Installers	11,980	16,180	35.1
Printing Trade Craft Workers	840	830	-1.2
Trans., P.U. Craft	2,030	3,080	51.6
Other Craft, Kindred Workers	5,210	6,820	30.8

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS, FIFTH EDITION.

TABLE 11 (cont.)

TOTAL EMPLOYMENT BY OCCUPATIONAL CATEGORY

1976-1985

OCCUPATIONAL GROUP	1976	1985	PERCENT CHANGE
Operatives	32,120	41,060	27.8
Operatives, Exc. Transport	20,080	26,190	30.4
Transport Equip. Operatives	12,040	14,880	23.5
Service Workers	46,790	66,430	42.0
Cleaning Service Workers	9,850	14,100	43.1
Food Service Workers	19,420	27,890	43.6
Health Service Workers	6,360	9,910	55.7
Personal Service Workers	6,480	8,960	38.4
Protective & Service Workers	2,860	4,170	46.1
Private Household Workers	1,860	1,410	-24.2
Laborers, Except Farm	15,590	20,090	28.9
Farmers & Farm Workers	32,130	32,100	- 0.1
Farmers & Farm Managers	18,220	19,670	7.9
Farm Laborers, Farm Supvrs.	13,900	12,430	-10.6

TABLE 12
TOTAL ANNUAL AVERAGE JOB OPENINGS
DUE TO GROWTH AND LABOR FORCE SEPARATIONS
BY SELECTED OCCUPATIONAL GROUP
1976-1985

OCCUPATIONAL GROUP	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	TOTAL OPENINGS	PERCENT OF TOTAL
TOTAL ALL OCCUPATIONS	11,400	12,360	23,770	100.0
Professional,Technical & Kindred	1,770	1,530	3,300	13.9
Engineers, Technical	90	40	130	0.6
Life and Physical Scientist	40	30	70	0.3
Mathematical Specialist	*	*	*	0.0
Engineers, Science Tech.	110	50	160	0.7
Medical Workers, Exc. Tech.	350	240	590	2.5
Health Technol. & Tech.	70	40	110	0.5
Technicians, Exc. Health	40	30	70	0.3
Computer Specialist	20	*	20	0.1
Social Scientists	20	10	30	0.1
Teachers	610	600	1,210	5.1
Writers, Artists, Entertainers	120	90	210	0.9
Other Proffessional, Technical	310	400	710	3.0
Managers, Officials, Proprietors	1,570	1,830	3,400	14.2
Buyers, Sales, Loan Managers	320	180	500	2.1
Administrators,Pub. Inspectors	220	280	500	2.1
Other Managers, Officials, Prop	1,030	1,380	2,410	10.1
Sales Workers	570	700	1,270	5.3
Clerical Workers	2,010	1,770	3,780	15.9
Stenographers, Typists, Secre.	600	500	1,100	4.6
Office Machine Operators	20	30	50	0.2
Other Clerical Workers	1,400	1,240	2,640	11.1
Craft & Kindred Workers	1,810	1,250	3,060	12.9
Construction Craft Workers	810	490	1,300	5.5
Blue Collar Workers Supv., N.E.	170	130	300	1.3
Metalworking Craft Wrks.Exc.Mec	70	50	120	0.5
Mechanics,Repairers/Installer	470	320	790	3.3
Printing Trade Craft Workers	*	20	20	0.1
Trans., P.U. Craft	120	40	160	0.7

* Denotes occupations with annual openings less than 10.
SOURCE: MONTANA INDUSTRY/OCCUPATIONS PROJECTIONS, FIFTH EDITION.

TABLE 12 (cont.)
TOTAL ANNUAL AVERAGE JOB OPENINGS
DUE TO GROWTH AND LABOR FORCE SEPARATIONS
BY SELECTED OCCUPATIONAL GROUP
1976-1985

OCCUPATIONAL GROUP	OPENINGS DUE TO GROWTH	OPENINGS DUE TO SEPARATIONS	TOTAL OPENINGS	PERCENT OF TOTAL
Other Craft, Kindred Workers	180	190	370	1.6
Operatives	990	840	1,830	7.7
Operatives, Exc. Transport	680	560	1,240	5.2
Transport Equip. Operatives	310	280	590	2.5
Service Workers	2,180	2,400	4,580	19.3
Cleaning Service Workers	470	640	1,110	4.7
Food Service Workers	940	870	1,810	7.6
Health Service Workers	390	300	690	2.9
Personal Service Workers	280	370	650	2.7
Protective & Service Workers	150	130	280	1.2
Private Household Workers	-50	90	40	0.2
Laborers, Except Farm	500	450	950	4.0
Farmers & Farm Workers	*	1,590	1,590	6.7
Farmers & Farm Managers	160	1,140	1,300	5.5
Farm Laborers, Farm Supvrs.	-160	460	300	1.3

TABLE 13

SELECTED OCCUPATIONS HAVING
HIGH GROWTH RATES 1976 - 1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Professional, Technical, Kindred			
Chiropractors	90	137	52.2
Dentist	471	728	54.6
Optometrists	414	793	91.6
Podiatrists	129	234	81.4
Therapists	535	876	63.7
Veterinarians	105	167	59.0
Clinical Lab Technician	619	934	50.9
Radiologic Technician	306	482	57.5
Airplane Pilots	195	311	59.5
Urban & Regional Planners	64	111	73.4
Elementary School Teachers	6,387	10,144	58.8
Preschool, Kindergarten	838	1,506	79.7
Atheletes & Kindred Workers	231	324	56.7
Architects	216	325	50.5
Clergy	1,032	1,580	53.1
Religious, except Clergy	222	341	53.6
Managers, Official, Proprietors			
Bank, Financial Managers	2,073	3,523	70.0
Buyer, Wholesale, Retail	395	615	55.7
School Administrator elem, secondary	1,379	2,318	68.1
Managers, Superintendents, Buildings	398	601	51.0
Railroad Conductors	385	665	72.7

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS, FIFTH EDITION.

TABLE 13 (cont.)

SELECTED OCCUPATIONS HAVING
HIGH GROWTH RATES 1976 - 1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Clerical Workers			
Secretaries, Legal	388	590	52.1
Secretaries, Medical	240	517	115.4
Secretaries, Other	8,692	13,153	51.3
Billings Clerk	397	721	81.6
Meter Reader, Utilities	131	238	81.7
Teacher Aides, exc. Monitors	1,203	2,606	116.6
Miscellaneous Clerk Workers	2,933	6,139	109.3
Craft and Kindred Workers			
Carpenters and Apprentices	5,767	8,770	52.1
Bulldozer Operators	798	1,361	70.6
Cement & Concrete Finishers	136	262	92.7
Electricians & Apprentices	1,850	2,881	55.7
Plumbers, Pipefitters	1,336	2,061	54.3
Structural Metal Craft Workers	240	450	87.5
Air Cond., Heating, Refrig. Mechanic	345	487	75.4
Household Appliance Mechanic	528	874	65.5
Office Machine Repairs	222	422	90.1
Electric Power Line Installer, Repairs	437	858	96.3
Glaziers	136	216	58.8
Opticians, Lens Grinder, Polishers	278	512	84.2
Operatives			
Blasters	80	179	123.8
Drillers, Earth	644	980	52.2

TABLE 13 (Cont.)

SELECTED OCCUPATIONS HAVING
HIGH GROWTH RATES 1976 - 1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Operatives			
Photographic Process Workers	178	292	64.0
Rail Vehicle Operators	131	296	126.0
Railroad Brake Operators	508	779	53.4
Service Workers			
Lodging Quarters Cleaners, exc. Private	1,349	2,550	89.0
Building Interior Cleaners, nec.	3,334	5,154	54.6
Food Counter, Fountain Workers	1,274	2,048	60.8
Dental Assistants	397	792	99.5
Health Aides, exc. Nursing	673	1,196	77.7
Practical Nurses	1,384	2,272	64.2
Child Care Workers, exc. Private	1,990	3,748	88.3
Guards	807	1,221	51.3
Police & Detectives	1,158	1,776	52.5
Farmers and Farm Workers			
Farm Managers	860	2,015	134.3

TABLE 14

SELECTED OCCUPATIONS HAVING
ANNUAL AVERAGE OPENINGS GREATER THAN 100

OCCUPATION	ANNUAL AVERAGE OPENINGS
Professional, Technical, Kindred	
Registered Nurses	269
Elementary School Teachers	735
Preschool, Kindergarten	112
Secondary School Teachers	264
Accountants	179
Clergy	116
Managers, Officials, Proprietors	
Bank, Financial Managers	232
Sales Manager, Retail Trade	107
Officials, Administrators, Public	152
School Admin. Elementary, Secondary	158
Office Managers, nec.	158
Restaurant, Cafe, Bar Managers	210
Sales Workers	
Insurance Agents, Brokers, etc.	107
Real Estate Agents, Brokers	145
Clerical Workers	
Secretaries, other	870
Typist	142
Bookkeepers	491
Cashiers	313
Counter Clerks, exc. Food	161
Receptionist	176
Teachers Aides, exc. Monitors	211
Miscellaneous Clerical Workers	507

TABLE 14 (cont.)

SELECTED OCCUPATIONS HAVING
ANNUAL AVERAGES OPENINGS GREATER THAN 100

OCCUPATIONS	ANNUAL AVERAGE OPENINGS
Craft and Kindred Workers	
Carpenters and Apprentices	583
Electricians and Apprentices	168
Excavating, Grading, Machine Operator	184
Plumbers, Pipefitters, Apprentices	132
Auto Mechanics and Apprentices	232
Heavy Equipment Mechanics	195
Operatives	
Welders and Flame Cutters	124
Garage Workers, Gas Station Atten.	123
Laundry, Dry Cleaning Operator	101
Mine Operatives	108
Sawyers	108
Miscellaneous Machine Operator	124
Delivery and Route Workers	129
Truck Drivers	271
Service	
Lodging Quarter Cleaners	223
Building Interior Cleaners	438
Janitors and Sextons	447
Bartenders	277
Cooks	613
Dishwashers	116
Food Counter, Fountain Workers	133
Waiters	516
Nurses Aides, Orderlies	369
Practical Nurses	180

TABLE 14 (cont.)

SELECTED OCCUPATIONS HAVING
ANNUAL AVERAGE OPENINGS GREATER THAN 100

OCCUPATIONS	ANNUAL AVERAGE OPENINGS
Service	
Child Care Workers	344
Hairdressers, Cosmetologist	117
Guards	120
Laborers, exc. Farm	
Construction Laborer	169
Freight, Material Handlers	130
Gardeners, Groundskepper	149
Stock Handlers	128
Farmers and Farm Workers	
Farm Managers	215
Farm Laborers, Wage Workers	171

TABLE 15

SELECTED OCCUPATIONS HAVING
NEGATIVE GROWTH RATE 1976-1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Professional, Technical, Kindred			
Atmospheric, Space Scientist	241	224	-7.1
Farm Management Advisors	105	55	-47.6
Research Workers, nec.	439	350	-20.3
College & University teachers	2,232	1,769	-20.7
Manager, Official, Proprietors			
Postmasters and Mail Supervisors	296	227	-23.3
School Administrators, College	302	266	-10.9
Officials of Lodges, Unions	275	180	-34.5
Sales Workers			
Newspaper Carrier & Vendor	404	343	-15.1
Clerical Workers			
Stenographers	766	573	-25.2
Keypunch Operators	498	392	-21.3
Mail Carriers, Post Office	777	648	-16.6
Postal Clerks	831	616	-25.9
Telegraph Operators	207	168	-18.8
Enumerators & Interviewers	602	395	-65.6
Crafts and Kindred Workers			
Blacksmiths	43	25	-41.9
Compositors and Typesetters	528	474	-10.2

SOURCE: MONTANA INDUSTRY/OCCUPATION PROJECTIONS, FIFTH EDITION.

TABLE 15 (cont.)

SELECTED OCCUPATIONS HAVING
NEGATIVE GROWTH RATE 1976-1985

OCCUPATION	TOTAL EMPLOYMENT 1976	TOTAL EMPLOYMENT 1985	PERCENT CHANGE
Crafts and Kindred Workers			
Locomotive Engineer Helpers	75	64	-14.7
Bakers	388	387	-0.3
Operatives			
Grinding Machine Operatives	63	55	12.7
Clothing Ironers & Pressers	310	286	-7.7
Filer, Polisher, Sander, Buffer	150	146	-2.7
Bus Drivers	1,547	1,302	-15.8
Taxicab Drivers, Chauffeurs	233	228	-2.2
Service Workers			
Baggage Porters & Bellhops	77	40	-48.1
Barbers	577	481	16.6
Elevator Operators	72	67	-6.9
Child Care Workers, Private	1,297	1,007	-22.4
Housekeepers, Private	170	109	-35.9
Farmers and Farm Workers			
Farm Laborers, Wage Workers	12,042	10,020	-16.8

GLOSSARY OF TERMS

ACTIVE APPLICANT:	Person considered currently available for referral to job openings or employability development services.
CIVILIAN LABOR FORCE:	The number of persons 16 years and older, employed or unemployed, excluding members of the Armed Forces.
CURRENT EMPLOYMENT STATISTICS PROGRAM:	Prepares monthly estimates of current non-agricultural employment, hours, and earnings.
DOT (Dictionary of Occupational Titles):	A publication which lists about 20,000 jobs with concise definitions. A nine digit coding system is used for occupational classification.
ESARS (Employment Service Automated Reporting SYstem):	Primarily concerned with providing cumulative data on individuals being served by Job Service. Some industry data is also provided.
LABOR DEMAND:	The number of job opportunities in specific occupations.
LABOR SUPPLY:	The number of individuals who are qualified for and seeking work in a specific occupation.
PARTIAL APPLICANTS:	An applicant who has completed a minimum of entries on the application record, and who has not been assigned an occupational code.

EMPLOYMENT SECURITY DIVISION
OF MONTANA
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The Montana State Employment Security Division maintains 24 local Job Service offices in the principal cities of Montana. You are invited to call on any of these offices for assistance in filling positions in your organization, additional labor market information, and for other services in connection with your employment problems.

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